MD 30 IS ASSUMED TO RUN IN A NORTH/ SOUTH DIRECTION

## EXISTING SIGNS

12




R1-1

## PROPOSED SIGNS

9




9a

D-3(1)
DUAL FACE
(16" x VARIABLE )

10




10a

D-3(1)
DUAL FACE
(16" x VARIABLE )

11




R1-1
EXISTING SIGN
TO BE RELOCATED

12




D-3
EXISTING DUEL FACED
STREET NAME SIGN
TO BE RELOCATED ABOVE
R1-1 SIGN

13




D-3
EXISTING DUEL FACED
STREET NAME SIGN
TO BE RELOCATED ABOVE
R1-1 SIGN

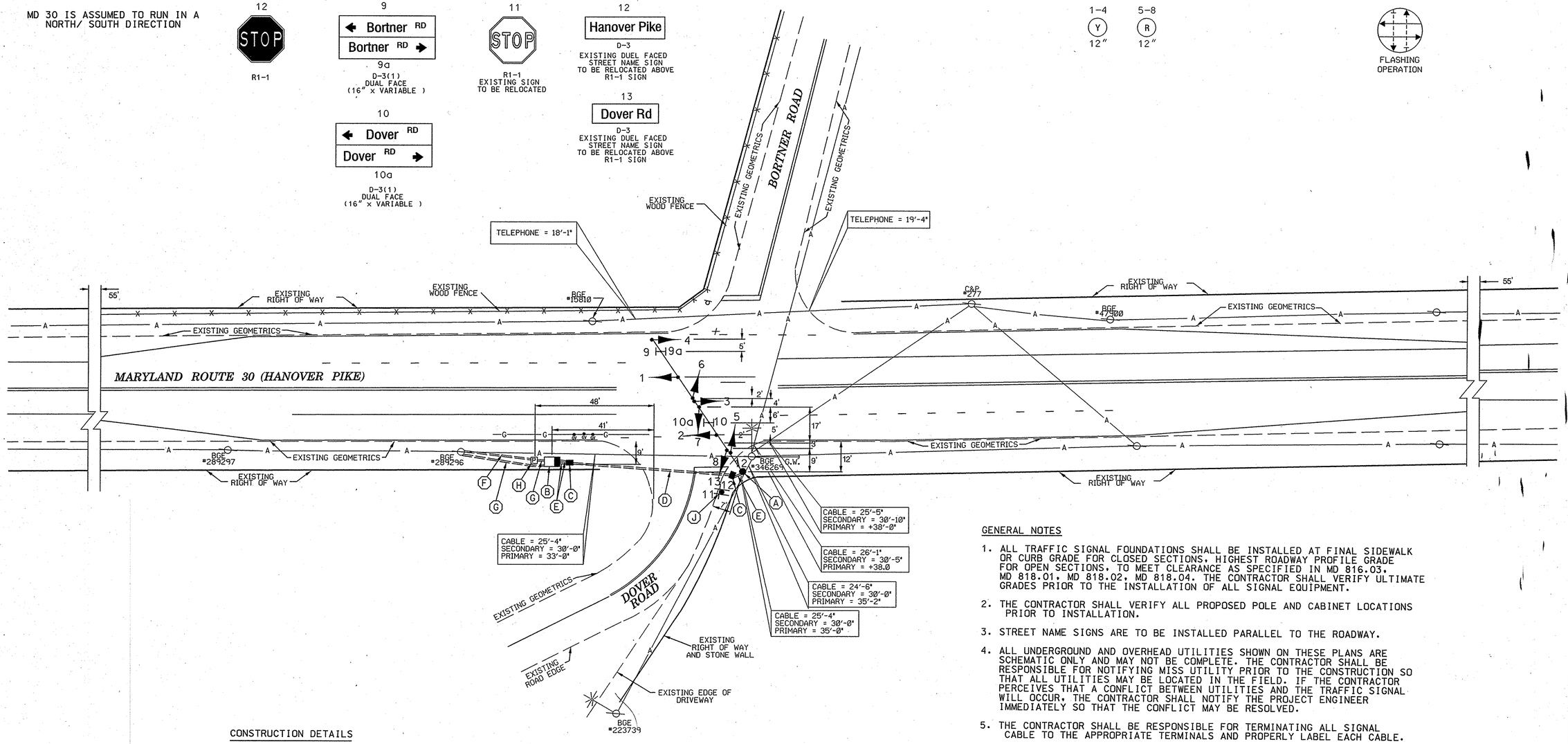
## PROPOSED SIGNAL HEADS

| 1-4 | 5-8 |
|---|---|
| Y | R |
| 12" | 12" |

## NEMA PHASING



FLASHING OPERATION




## GENERAL NOTES

1. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCE AS SPECIFIED IN MD 816.03. MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. STREET NAME SIGNS ARE TO BE INSTALLED PARALLEL TO THE ROADWAY.
4. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.

## CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH 15 FT. "T" STEEL POLE (See Standard Detail No. MD 818.13-01) WITH A 70 FT. MAST ARM, TRAFFIC SIGNAL AND SIGNS. (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHOLRIDE ELECTRICAL CONDUIT BEND IN POLE BASE).

B. INSTALL CONCRETE FOUNDATION WITH NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER (INSTALL 2-2 IN AND 2-4 IN SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT IN CABINET BASE).

C. INSTALL HANDHOLE.

D. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT- BORED.

E. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT -TRENCHED.

F. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE AND STUB UP AT BASE OF UTILITY POLE.

G. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT -TRENCHED.

H. INSTALL METERED SERVICE PEDESTAL.

J. INSTALL RELOCATED GROUND MOUNTED SIGN.

## UTILITY LEGEND

| | |
|---|---|
| SD SD | STORM DRAIN |
| G G | GAS MAIN |
| W W | WATER MAIN |
| S S | SEWER MAIN |
| E E | ELECTRIC CABLES |
| A A | AERIAL CABLES |
| T T | TELEPHONE CABLES |
| F F | FIBER-OPTIC |

BY: $SPECA$

**TOD NO: AT912-03**
**SHA No.: BA633A51/B51**
MD 30 @ Bortner Rd/Dover Road

JOHNSON, MIRMIRAN & THOMPSON
*Engineering A Brighter Future*

| APPROVALS | REVISIONS |
|---|---|
| TEAM LEADER 1-11-08 | |
| ASST. DIV. CHIEF 1/22/08 | |
| DIVISION CHIEF 1/11/08 | |
| OFFICE DIRECTOR 1/22 | |

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD. 30 (HANOVER PIKE) AT BORTNER ROAD/DOVER ROAD

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE Dec, 2006 CONTRACT NO. AT9125185

DESIGNED BY TMS COUNTY BALTIMORE
DRAWN BY TMS LOG MILE 03003006.28
CHECKED BY MW TIMS NO. H175
FAP NO. TOD NO.

TS NO. 4552 | DRAWING 1 OF 2 | SHEET NO. 1 OF 2

PLOTTED: $120008
FILE: $L:\TRAFFIC\300618.15\MD30_BORTNER_SIGNAL.DGN$